Electronic Supplementary Information

In situ dispersion of nonaqueous Fe_3O_4 nanocolloids by microdroplet coalescence and their use in the preparation of magnetic composite particles

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Table S1 Polydispersity indexes of the microdroplets at different conditions.

Group	1	2	3	4	5	6	7	8
Droplet size (μm)	102	197	294	395	505	604	695	791
Polydispersity index	0.042	0.042	0.039	0.041	0.044	0.043	0.047	0.048

The polydispersity index (PDI) is calculated based on the initial droplet size:

$$\text{PDI} = \frac{1}{D_\text{d}} \sqrt{\frac{1}{n}\sum (d_\text{d} - D_\text{d})^2} \times 100\%$$

where $D_\text{d} = \dfrac{1}{n}\sum_{1}^{n} d_\text{d}, 50 \leq n \leq 100$.